

**Notice of Allowability**

Application No.	Applicant(s)
10/814,452	LIU ET AL.
Examiner	Art Unit
Anthony S. Addy	2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to Remarks/Amendment of 08/09/2007.
2.  The allowed claim(s) is/are 1, 4, 6-8, 12, 14-17 and 20-24 (renumbered as claims 1-15, respectively).
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None of the:
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

*Duc Nguyen*  
DUC M. NGUYEN  
SUPERVISORY PRIMARY EXAMINER  
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A.S.A

**DETAILED ACTION**

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Dana B. LeMoine (Reg. No. 40,062) on 27 August 2007.
3. The application has been amended as follows:

**IN THE CLAIMS**

Claim 15: lines 1-2,

"An apparatus having a machine-readable medium with instructions stored thereon that when accessed, result in a machine performing:" has been replaced with -- **A machine-readable medium with instructions stored thereon that when accessed, result in a machine performing the steps of:**

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Claim 16: line 1,

"The apparatus of " has been replaced with – **The machine of --**

Claim 17: line 1,

"The apparatus of " has been replaced with – **The machine of --**

Claim 20: line 1,

"The apparatus of " has been replaced with – **The machine of --**

Claim 24: line 6,

"result in the processor performing;" has been replaced with -- **result in the processor performing the steps of:** --

Claim 21 has been amended to read as follows:

21. (Currently Amended) An apparatus configured to communicate in an 802.11 wireless network, to determine a power savings level for the apparatus based on an amount of data traffic as a percentage of traffic activity in a current time interval, to determine from the power savings level a desired sleep interval expressed as a plurality of 802.11 compliant beacon intervals, to determine a next broadcast time from a broadcast interval expressed as a plurality of 802.11 compliant beacon intervals, and to compare the desired sleep interval and a time period until the next broadcast time to determine a wake-up time, wherein the wake-up time is set to the end of the desired sleep interval if at least two desired sleep intervals exist before the next broadcast time.

***Allowable Subject Matter***

4. **Claims 1, 4, 6-8, 12, 14-17 and 20-24** (renumbered as **claims 1-15**, respectively) are allowed.
5. The following is a statement of reasons for the indication of allowable subject matter:

**Claims 1, 4, 6-8, 12, 14-17 and 20-24** are allowed in view of Applicant's remarks/amendment filed on September 29, 2006.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S. Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc M. Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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